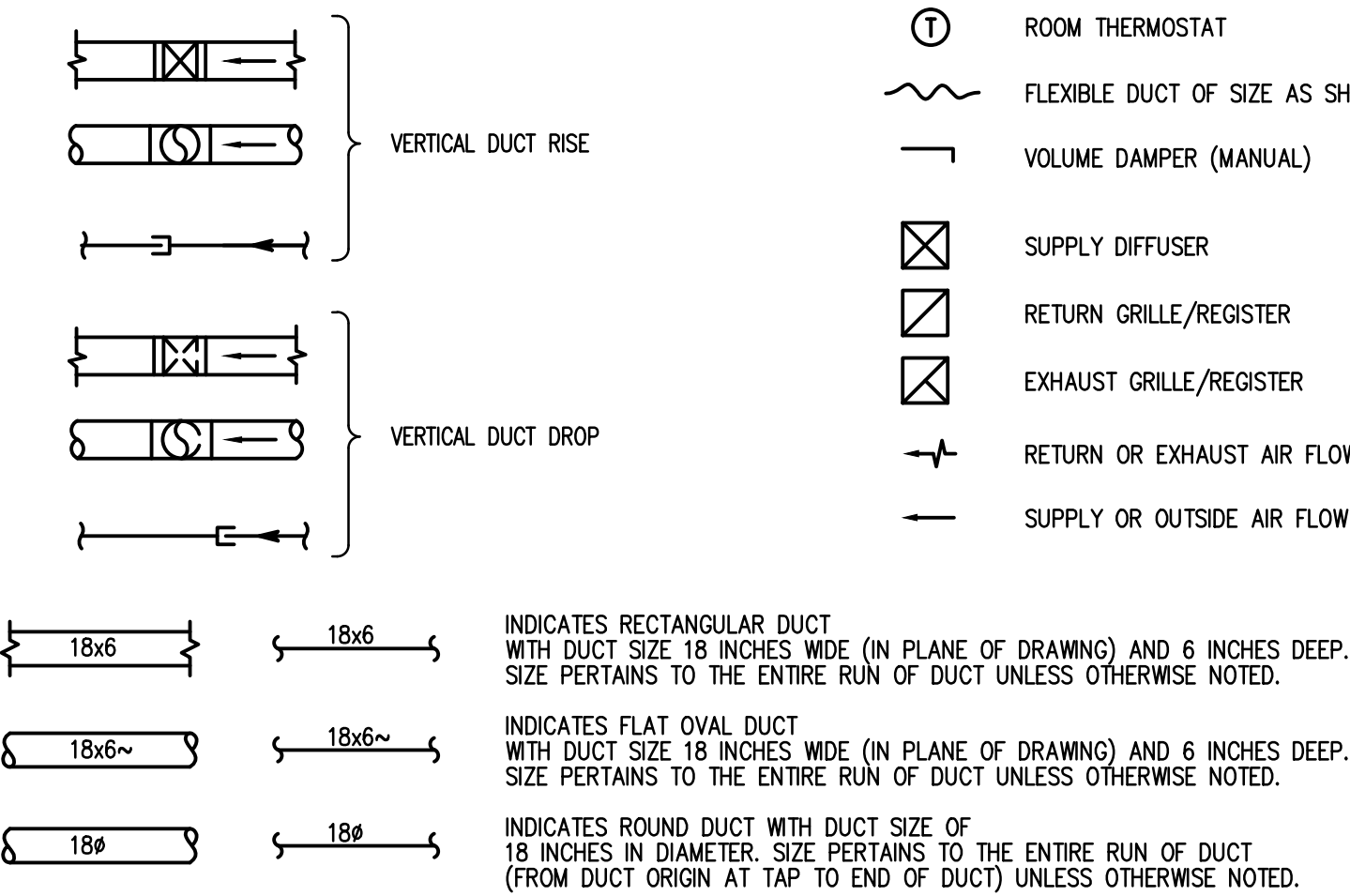


SYMBOLS



GENERAL NOTES

1. ALL DIMENSIONS SHOWN FOR DUCTWORK ARE NET INSIDE DIMENSIONS.
2. DIFFUSER & REGISTER LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLANS.
3. THOUGH SOME OFFSETS & TRANSITIONS ARE SHOWN IN PIPING & SHEET METAL TO HELP INDICATE THE PHYSICAL RELATIONSHIP BETWEEN THEM, IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL PIPING & SHEET METAL OFFSETS & TRANSITIONS REQUIRED. THE CONTRACTOR SHALL FULLY COORDINATE THE MECHANICAL WORK WITHIN ITSELF & WITH THE WORK OF ALL TRADES TO PROVIDE COMPLETE & OPERABLE SYSTEMS WITHOUT INTERFERENCES.
4. FURNISH AND INSTALL ALL MANUALLY OPERATED VOLUME CONTROL (BALANCING) DAMPERS NECESSARY TO PERFORM THE BALANCING WORK DESCRIBED ABOVE.
5. ALL WALL MOUNTED DEVICES SUCH AS THERMOSTATS AND CONTROL PANELS SHALL BE COORDINATED WITH ARCHITECTURAL INTERIOR ELEVATIONS.
6. DUCT CONSTRUCTION SHALL FOLLOW THE LATEST SMACNA STANDARDS FOR THE SPECIFIC PRESSURE CLASSIFICATIONS INDICATED BELOW.

DUCT SYSTEM	LOCATION		PRESSURE CLASSIFICATION (INCH WATER GAUGE)	REMARKS
	FROM	TO		
SUPPLY	FAN DISCHARGE	DIFFUSERS REGISTERS	2	
RETURN	RETURN RISER	DIFFUSERS REGISTERS OR GRILLES	-2	
GENERAL EXHAUST	THROUGH OUT		-2	

EQUIPMENT SCHEDULE

TAG	SERVICE	AIR FLOW (CFM)	E.S.P. (IN. W.G.)	TOTAL COOLING (BTU)	MCA	TOTAL ELEC.(A)	VOLTS	PHASE	HZ	HP	TYPE	SEER	MANUFACTURER	MODEL	REMARKS
AC- 1	FIRST FLOOR	1,370	0.25	30,000	15.0	3.0	220	1	60	3/4	-	-	GOODMAN	ASPF303616	-
AC- 2	SECOND FLOOR	1,100	0.25	18,000	15.0	2.9	220	1	60	1/2	-	-	GOODMAN	ASPF183016	-
HP-1	AC-1	-	-	30,000	17.1	1.1	220	1	60	1/6	SCROLL	13	GOODMAN	GSZ130301A	-
HP-2	AC-2	-	-	18,000	12.3	1.1	220	1	60	1/6	SCROLL	13	GOODMAN	GSZ130181A	-
EF-1	FIRST FLOOR TOILET ROOM	50	0.1	-	-	0.2	120	1	60	-	-	-	BROAN	QTXE050	①
EF-2	SECOND FLOOR BATHROOM	100	0.1	-	-	0.7	120	1	60	-	-	-	BROAN	QTRE100S	②


- ① ULTRA-SILENT TOILET ROOM EXHAUST FAN. TERMINATE DISCHARGE DUCT AT EXTERIOR WALL AND INSTALL 6" LOUVERED WALL CAP EQUIVALENT TO BROAN MODEL 646.
- ② ULTRA-SILENT HUMIDITY SENSING TOILET ROOM EXHAUST FAN. TERMINATE DISCHARGE DUCT AT EXTERIOR WALL AND INSTALL 4" LOUVERED WALL CAP EQUIVALENT TO BROAN MODEL 450.

GRILLE, REGISTER AND DIFFUSER SCHEDULE

TAG	MAX. AIR FLOW (CFM)	THROW @ MAX AIR FLOW (FT.)	① NC @ MAX AIR FLOW	② NECK SIZE (IN.)	FACE SIZE (IN.)	③ MAX AIR P.D. (IN. W.G.)	MANUFACTURER	MODEL	REMARKS
SR-1	170	9.0	20	6x12	6x12	0.022	HART & COOLEY	421	FLOOR MOUNTED SUPPLY REGISTER
SR-2	200	9.5	20	6x14	6x14	0.022	HART & COOLEY	421	FLOOR MOUNTED SUPPLY REGISTER
SD-1	105	5.0	20	4ø	8x8	0.022	HART & COOLEY	A504MS	CEILING MOUNTED SUPPLY DIFFUSER
SD-2	255	7.0	20	8ø	12x12	0.022	HART & COOLEY	A504MS	CEILING MOUNTED SUPPLY DIFFUSER
RG-1	1,355	-	-	20x12	20x12	0.08	HART & COOLEY	RED5	FLOOR MOUNTED RETURN GRILLE
RG-2	1,100	-	-	24x12	24x12	0.08	HART & COOLEY	RED5	WALL MOUNTED RETURN GRILLE

- ① MAXIMUM NC LEVEL AT MAXIMUM CFM SCHEDULED.
- ② MAXIMUM EQUIVALENT ROUND DUCT SIZE. EQUIVALENT SQUARE AND RECTANGULAR SIZES ACCEPTABLE.
- ③ MAXIMUM DIFFERENTIAL IN TOTAL PRESSURE AT MAXIMUM CFM SCHEDULED.

100% BID DOCUMENTS

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			<div>Building Number</div>					
			<div>Drawing Number</div> <div>ME-3</div> <div>Dwg. ¹⁰ of 11</div>					
<div>100% BID DOCUMENTS</div>	<div>04/07/11</div>							
<div>Revisions:</div>	<div>Date</div>							
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